



Electrical Career Technical Training Area

Construction Career Pathway

Electrical

The Job Corps Electrical career training program takes 8 to 12 months to complete and requires training in the following subject areas:

- Electrical safety
- Fasteners and anchors
- Introduction to electrical theory
- Advanced electrical theory
- Electrical test equipment
- Raceways, boxes, and fittings
- Motors: theory and application
- Advanced conduit bending
- Circuit breakers and fuses
- Contractors and relays
- Point-of-sale/Counter skills
- Installation of electrical services
- Introduction to electrical blueprints
- Commercial and industrial wiring
- Conductor terminations and splices
- Introduction to National Electrical Code[®]
- Introduction to fiber optics (optional)
- Introduction to Network Cable Installer (optional)
- Conduit and hand bending
- Conductors
- Residential wiring
- Grounding
- Electrical lighting
- Alternating current
- Cable tray
- Conductor installations
- Fire alarm systems
- Low-voltage circuits

Certification:

Students who complete a Job Corps training program are eligible to receive a nationally recognized certificate of completion.

- Construction Safety & Health OSHA 10-Hour Training
- NCCER Core Curriculum Completion (for center-operated programs)
- NCCER Level 1 Electrical Completion (for center-operated programs)
- NCCER Green Certificate of Completion (for center-operated programs)

Steps to certification:

Before completing an Electrical training program, students should:

- Have the basic math and reading skills necessary to perform the job.
- Complete the core curriculum and pass all written and performance tests.

Average length of training:

8 to 12 months

The salary range for various careers in Electrical is:

\$37,000 to \$64,000/year

Green Training



Job Corps students who enter the Electrical career technical trade will also train in a variety of green subject areas to prepare for successful careers in the new green economy. Students will develop knowledge and skills in the following green technology and industry practices.

- Introduction to Environmental Awareness and Green Building
- Reject, Reduce, Reuse, Recycle
- Alternative materials
- Treatment of hand tools and equipment for sustainability
- Waste management
- Green power and efficiency methods
- Reduction in light trespass/light pollution

THE BENEFITS OF JOB CORPS

Industry-recognized certification • Hands-on training and internships • Housing, meals, and basic medical care • Earn while you learn: Biweekly living allowance • Administered by the U.S. Dept. of Labor

What is Job Corps?

- A residential career training program
- Your path to a career in a high-growth industry
- A place to earn your high school diploma or GED
- Career counseling and support after graduation



Career Technical Training programs vary at different Job Corps centers.

Administered by the U.S. Department of Labor, Job Corps is the nation's largest career technical training and education program for students ages 16 through 24. Job Corps is a U.S. Department of Labor Equal Opportunity Employer Program. Auxiliary aids and services are available upon request to individuals with disabilities. TDD/TTY telephone number is (877) 889-5627.